



## LD –LT0470/KJ

### Low Density Polyethylene

#### Product Description

LT0470/KJ is a high molecular weight low density polyethylene film grade combining good flexible extrusion behaviour and superior mechanical properties.

#### Applications

- Stiffer thin films for textile packaging.

PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
MFR (190°C/2.16KG)	Dg/min	4.7	ISO 1133
DENSITY	g/cm <sup>3</sup>	0.924	ISO 1183(A)
IMPACT STRENGTH	KJ/m	13	ASTM D 4272
TEAR STRENGTH(TD)	KN/m	30	ISO 6383-2
TEAR STRENGTH(MD)	KN/m	90	ISO 6383-2
YIELD STRESS (TD)	MPa	12	ISO 527
YIELD STRESS (MD)	MPa	12	ISO 527
STRAIN AT BREAK(TD)	%	500	ISO 527
STRAIN AT BREAK (MD)	%	100	ISO 527
MODULUS OF ELASTICITY (TD)	MPa	250	ISO 527
COEFFICIENT OF FRICTION	-	0.2	ASTM D 1894
MODULUS OF ELASTICITY (MD)	MPa	240	ISO 527
BL <sup>o</sup> CKING	g	< 5	Sabtec
RE-BL <sup>o</sup> CKING	g	20	Sabtec
HAZE	%	12.5	ASTM D 1003A
GLOSS	%	50	ASTM D 2457

Film properties have been measured at 25µm with a bur of 3.

#### Process conditions

LT0470/KJ is a grade with a very high level of anti-block and a high level of slip agent (Erucamide). The grade has an excellent draw down ability. The films produced from this grade are stiff, have excellent optical properties, low CoF and no blocking.

Producer: Arya Sasol Petrochemical Co.

Licensor: Sabtec CTR<sup>®</sup>

Packing: Supplied in pellet form and can be packaged in 25kg bags, 1 ton semi bulk or 17 ton bulk.

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